

PolyPro 4000T Matte

Media Type	Label	✓	Film Type	Polyethylene	
	Receipt			Polyolefin	
	Tag			Polypropylene	✓
	Wristband			Polyester	
				Polyimide	
Material Type	Paper		Properties	Cold Temperature	✓
	Synthetic	✓		Deep Freeze	✓
Printing Technology	Direct Thermal (no Ribbon Required)			High Temperature	
	Thermal Transfer (Ribbon Required)	✓		Ultra High Temperature	
Adhesive Type	Permanent	✓		High Tack	
	Removable		Chemical Resistance	Harsh	
	No Adhesive				
Finish	Matte	✓	Environment	Indoor	✓
	Gloss			Outdoor	

Additional Features

- Wide temperature range performance from -54°C to +120°C
- Adhesive complies with FDA 175.105 for indirect contact with food additives, therefore label must be separated by a functional barrier
- Tear and water resistant
- BPA free
- Latex free adhesive

Suggested Applications

- Industrial product labelling
- Pallet wrap labels
- Labels which can be recycled with other polypropylene substrates
- Labelling of most packaging materials and plastic substrates
- Shelf edge labels
- Medium-life product and box labelling

Technical Specifications

	Description	Caliper
Facestock	Matte white top coated polypropylene	107 microns
Adhesive	Permanent acrylic adhesive	25 microns
Liner	62gsm semi-bleached kraft liner	76 microns
	Total	208 microns ±10%

Recommended Zebra Printers: Desktop, mid-range and high performance thermal printers

Recommended Zebra Ribbons: 3200, 4800, 5095

Minimum Application Temperature: 7°C
When the label is applied, the environment and surface should be above this temperature

Service Temperature Range: -54°C to 120°C
Following correct application and appropriate dwell time (usually 24hrs) the media will withstand this temperature range

Recommended Storage Conditions: 1 year duration when stored at 22°C at 50% RH
Storage of product before use

Expected Life Span in Application: Indoor use, 1 year+
Following correct application and appropriate dwell time (usually 24hrs) we expect, but do not warrant, a life span as indicated

Suggested Ribbons for Applications requiring Chemical Resistance

	Weak					Moderate				Harsh			Extreme				
	Blood	Body Fluid	Salt Water	Water	Window Cleaner	Alcohol	Ammonia	Bleach	IPA	Gasoline	Grease	Oil	Acetone	IR Reflow	MEK	TCE	Xylene
3200	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					

“✓” indicates acceptable chemical resistance

4800 and 5095 ribbons will also provide chemical resistance, however requires testing in application

180° Angle Peel Adhesion at Room Temperature (N/m):

Steel		Polycarbonate		Polyethylene	
5 min	24 hr	5 min	24 hr	5 min	24 hr
726	825	671	803	264	286

Note: For guidance only, not to be used for setting specifications

Product Performance and Suitability

The information contained in this document is to be used for guidance only and is not intended for use in setting specifications. All purchasers of Zebra products shall be solely responsible for independently determining if the product conforms to all requirements of their unique application.

For testing of this material, please order SAMPLE5300.

Supplies are warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For the complete warranty statement, please visit: www.zebra.com/warranty.